

**PATENT**

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/William R. Allen/  
William R. Allen, Reg. No. 48,389

April 14, 2006  
Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Sanjeev Kaushal et al. Confirmation No.: 6182  
Serial No.: 10/747,842  
Filed: December 29, 2003  
Group Art Unit: 2125  
Examiner: Michael D. Masinick  
Title: METHODS FOR ADAPTIVE REAL TIME CONTROL OF A THERMAL PROCESSING SYSTEM  
Attorney Ref. No.: CT-002

Cincinnati, Ohio 45202

April 14, 2006

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT UNDER 37 CFR § 1.111**

In response to the Office Action of January 25, 2006, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper.

**Remarks** begin on page 11 of this paper.